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SEP 26 2005

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/825,350
Filing Date	April 15, 2004
First Named Inventor	Michael L. Frupp
Art Unit	2834
Examiner Name	P. Cuevas
Attorney Docket Number	2003-IP-009957 U2 USA

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
W ↓		US- 6,672,409	01-06-2004	Dock, et al.	
		US- 6,554,074	04-29-2003	Longbottom	
		US- 5,295,397	03-22-1994	Hall, et al.	
		US- 2,960,109	11-15-1960	Wilson	
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**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner  
SignatureDate  
Considered

10/29/05

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT BY APPLICANT**

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Sheet 1 of 2

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Application Number	10/825,350
Filing Date	April 15, 2004
First Named Inventor	Michael L. Fripp
Art Unit	2855
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-009957 U2 USA

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W		US- 6,607,030	08-19-2003	Bauer, et al.	
		US- 5,626,200	05-06-1997	Gilbert, et al.	
		US- 3,342,267	09-19-1967	Cotter, et al.	
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W		GB 044822	10-22-1980	Camco Incorporated		

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Signature*[Signature]*Date  
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<b>Application Number</b>	10/825,350
<b>Filing Date</b>	April 15, 2004
<b>First Named Inventor</b>	Michael L. Fripp
<b>Art Unit</b>	2855
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	2003-IP-009957 U2 USA

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Examiner Signature	<i>[Signature]</i>	Date Considered	10/29/00
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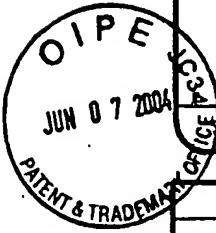
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<b>First Named Inventor</b>	Michael L. Fripp
<b>Group Art Unit</b>	Unassigned
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	2003-IP-009957 U2 USA



## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Date Considered

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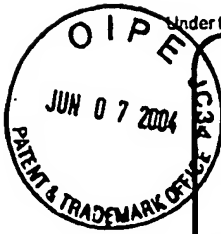
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Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 2

### Complete if Known

Application Number	10/825,350
Filing Date	April 15, 2004
First Named Inventor	Michael L. Fripp
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	2003-IP-009957 U2 USA

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
W		"Extracting Energy From Natural Flow," NASA Tech. Briefs, Spring 1980, Vol. 5, No. 1, MFS-23989.	
		Parkinson, Geoffrey, "Phenomena and Modelling of Flow-Induced Vibrations of Bluff Bodies", Progress in Aerospace Sciences, Vol. 26, pp. 169-224, 1989.	
		"Characteristics of Relaxor-Based Piezoelectric Single Crystals for Ultrasonic Transducers," IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 44(5):1140-1147 (September 1997)	
		Hall & Precht "Development of a Piezoelectric Servoflap for Helicopter Rotor Control," Smart Materials and Structures Vol 5 1996 pp 26-34	
		PI (Physik Instrumente), "NanoAutomation®, Piezo Technology NanoPositioning MicroPositioning Hexapods", dated 1996-2004	
		PI, "Introduction to Piezo Actuators", dated 1996-2004	
		"Closed-Loop, High Deflection PICMA® Multilayer Piezo Bender Actuators", undated	
		"PICA-Stack Piezoceramic Actuators Versatile Piezoelectric Power", undated	

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*[Signature]*

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

Sheet 1 of 2

**Complete if Known**

<b>Application Number</b>	10/825,350
<b>Filing Date</b>	April 15, 2004
<b>First Named Inventor</b>	Michael L. Fripp
<b>Group Art Unit</b>	Unassigned
<b>Examiner Name</b>	Unassigned
<b>Attorney Docket Number</b>	2003-IP-009957 U2 USA



## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Sheet	2	of	2		

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